# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 0 | "10455029" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 12:56 |
| S2 | 2 | "6819521".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 15:37 |
| S3 | 30 | ("4890172" "5227930" "5550685" "5886846" "5999357" "6005742" "6141175" "6167011" "6384994" "6421200" "6437936" "6445531" "6476995" "6510015" "6549362").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:19 |
| S4 | 27 | ("6661599" "6671119" "6760170" "6768609" "5793559" "6061200" "6236536" "6441986" "6549362" "6587293" "6765737" "6853511" "5978169" "6788495").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:00 |
| S5 | 6 | RRO and Jason near Olson | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:06 |
| S6 | 10357 | (((repeat$4 synchronous) near2 (error vibrat$3 runout (run adj out))) RRO) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:07 |
| S12 | 1212397 | (non "not" un) adj (consecutiv$3 sequential succeed$3 successional$3 successive constant$3 continuous$3 subsequent$3 continual$3 incessant$3) interrupt$4 remitt$3 ceas$3 intermittent$3 periodic$3 nonconsecutiv$3 nonsequential unsucceed$3 unsuccessional$3 unsuccessive nonconstant$3 noncontinuous$3 nonsubsequent$3 noncontinual$3 nonincessant$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:31 |
| S14 | 248416 | revolution | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:32 |

| S15 | 23051811 | one "1" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:32 |
|-----|----------|---------|---------------------------------------------|----|----|----|
| S16 | 49366 | (S12 S15) near2 S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:33 |
| S17 | 129816 | pes (position$3 near2 error) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:39 |
| S18 | 150 | S16 with (S17 S6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:39 |
| S19 | 57 | S18 same S6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:39 |
| S20 | 1109802 | (((dis$1 hard) near2 (drive apparatus)) HDA HDD DASD RAID platter (magnetic storage drive$1 assembly) near2 (disk$5 disc$1 media medium device) (storage near2 drive$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:40 |
| S21 | 42 | S20 and S19 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 16:40 |
| S22 | 29903 | head near2 (switch$3 chang$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 10:56 |
| S23 | 10357 | (((repeat$4 synchronous) near2 (error vibrat$3 runout (run adj out))) RRO) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 10:56 |

| S24 | 1212397 | (non "not" un) adj (consecutiv$3 sequential succeed$3 successional$3 successive constant$3 continuous$3 subsequent$3 continual$3 incessant$3) interrupt$4 remitt$3 ceas$3 intermittent$3 periodic$3 nonconsecutiv$3 nonsequential unsucceed$3 unsuccessional$3 unsuccessive nonconstant$3 noncontinuous$3 nonsubsequent$3 noncontinual$3 nonincessant$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 10:56 |
|-----|---------|-----|-----|-----|-----|-----|
| S25 | 248416 | revolution | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 11:05 |
| S26 | 23051811 | one "1" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 10:56 |
| S27 | 49366 | (S24 S26) near2 S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 10:56 |
| S28 | 129816 | pes (position$3 near2 error) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 10:56 |
| S29 | 150 | S27 with (S28 S23) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 11:00 |
| S30 | 0 | S22 same S29 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 11:04 |
| S31 | 18 | S23 same S22 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 11:04 |

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|---|---|---|---|---|---|---|
| S32 | 1 | S31 same S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/22 11:05 |
| S33 | 11128 | (((repeat$4 synchronous) near2 (error vibrat$3 runout (run adj out))) RRO) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:15 |
| S34 | 130944 | (one "1" first) near2 (revolution revolv$5 spin$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:20 |
| S35 | 87 | S33 with S34 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:18 |
| S36 | 1195990 | (((dis$1 hard) near2 (drive apparatus)) HDA HDD DASD RAID platter (magnetic storage drive$1 assembly) near2 (disk$5 disc$1 media medium device) (storage near2 drive$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:19 |
| S37 | 69 | S35 and S36 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:19 |
| S38 | 520 | 360/77.04.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:19 |
| S39 | 36 | S37 and S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:20 |
| S40 | 30023 | (second "2nd" next) near2 (revolution revolv$5 spin$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:20 |

# EAST Search History

| S41 | 92889 | (one "1st" first) near2 (revolution revolv$5 spin$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:21 |
|-----|-------|------|------|------|------|------|
| S42 | 24 | S33 with S40 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:21 |
| S43 | 82 | S33 with S41 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:21 |
| S44 | 20 | S42 and S43 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/23 15:21 |
| S45 | 21322 | (((repeat$4 synchronous) near2 (error vibrat$3 runout (run adj out))) (zero near2 accelerat$4 near2 path) ZAP RRO RPE) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 13:02 |
| S46 | 671934 | ((position$4 error) near3 (signal offset track$3 positioning following)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 13:05 |
| S47 | 411082 | (half partial$4 ((part some) adj of) one "1") near3 (revolution rotation rotating revolving) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 13:08 |
| S48 | 10713892 | sens$3 detect$3 determin$3 calculat$3 deriv$3 estimat$4 judg$3 generat$3 measur$3 monitor$3 observ$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 13:10 |
| S49 | 5562 | S48 with S45 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 13:10 |
| S50 | 951 | S45 and S46 and S47 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 13:11 |

# EAST Search History

| S51 | 3798 | S46 with S47 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 13:12 |
|-----|------|--------------|---------------------------------------------------------|----|----|--------------------|
| S52 | 17 | S51 same S49 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 13:12 |